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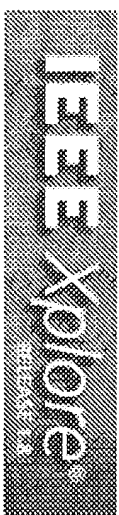
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*Rui, Y.; Huang, T.S.; Mehrotra, S.;*  
 Image Processing, 1997. Proceedings., International Conference on , Volume:  
 2, 26-29 Oct. 1997  
 Pages:815 - 818 vol.2

[Abstract] [PDF Full-Text (528 KB)] IEEE CNF

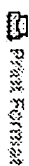
**2 Color clustering techniques for color-content-based image retrieval from image databases**

*Jia Wang; Wen-Jann Yang; Acharya, R.;*  
 Multimedia Computing and Systems '97. Proceedings., IEEE International  
 Conference on , 3-6 June 1997  
 Pages:442 - 449

[Abstract] [PDF Full-Text (936 KB)] IEEE CNF



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#### 1 Content-based image retrieval with relevance feedback in MARS

Rui, Y.; Huang, T.S.; Mehrotra, S.;

Image Processing, 1997. Proceedings., International Conference on , Volume:

2 , 26-29 Oct. 1997

Pages:815 - 818 vol.2

[Abstract] [PDF Full-Text (528 KB)]

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#### 2 Image database retrieval with multiple-instance learning techniques

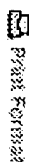
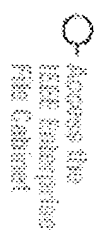
Yang, C.; Lozano-Perez, T.;

Data Engineering, 2000. Proceedings. 16th International Conference on , 29 Feb.-3 March 2000

Pages:233 - 243

[Abstract] [PDF Full-Text (392 KB)]

IEEE CNF



PDF FOR 1322

### 3 **Modelling agents in C++ and CL for content-based image retrieval**

*Charlton, P.; Huet, B.; Justog, G.;*

Parallel and Distributed Processing, 1996. PDP '96. Proceedings of the Fourth

Euromicro Workshop on , 24-26 Jan. 1996

Pages: 59 - 66

[Abstract] [PDF Full-Text (652 KB)] IEEE CNF

### 4 **The psychological space of common media impressions held in a media database retrieval system**

*Takagi, H.; Noda, T.; Cho, S.-B.;*

Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. 1999

IEEE International Conference on , Volume: 6 , 12-15 Oct. 1999

Pages: 263 - 268 vol. 6

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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [Image retrieval: Retrieving 3D shapes based on their appearance](#)

Ryutarou Ohbuchi, Masatoshi Nakazawa, Tsuyoshi Takei

November 2003 **Proceedings of the 5th ACM SIGMM international workshop on  
Multimedia information retrieval**Full text available: pdf(659.66 KB); Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we propose an algorithm for shape-similarity comparison and retrieval of 3D shapes defined as polygon soup. One of the issues in comparing 3D shapes is the diversity of shape representations used to represent these "3D" shapes. While a solid model is well-defined and is easier to handle, others such as polygon soup poses many problems. In fact, a polygon soup 3D model most often does not define a 3D shape, but merely an illusion of "3D shape-ness" by its collection of independent ...

**Keywords:** depth map, geometric modeling, polygon soup, polygonal mesh, shape similarity search, three-dimensional models

**2** [Image Retrieval from the World Wide Web: Issues, Techniques, and Systems](#)

M. L. Kherfi, D. Ziou, A. Bernardi

March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1Full text available: pdf(294.13 KB); Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

**Keywords:** Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

**3** [Integrating symbolic images into a multimedia database system using classification and abstraction approaches](#)

Aya Soffer, Hanan Samet

December 1998 **The VLDB Journal — The International Journal on Very Large Data  
Bases**, Volume 7 Issue 4

Full text available:  pdf(227.30 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


Symbolic images are composed of a finite set of symbols that have a semantic meaning. Examples of symbolic images include maps (where the semantic meaning of the symbols is given in the legend), engineering drawings, and floor plans. Two approaches for supporting queries on symbolic-image databases that are based on image content are studied. The classification approach preprocesses all symbolic images and attaches a semantic classification and an associated certainty factor to each object that ...

**Keywords:** Image indexing, Multimedia databases, Query optimization, Retrieval by content, Spatial databases, Symbolic-image databases

#### 4 [Geographic Data Processing](#)

George Nagy, Sharad Wagle


June 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 2

Full text available:  pdf(4.20 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 5 [PicturePiper: using a re-configurable pipeline to find images on the Web](#)

Adam M. Fass, Eric A. Bier, Eyton Adar

November 2000 **Proceedings of the 13th annual ACM symposium on User interface software and technology**

Full text available:  pdf(354.31 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** WWW searching, dataflow, image retrieval, pipeline

#### 6 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**


Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

#### 7 [An application of a context-aware file system](#)

Christopher K. Hess, Roy H. Campbell

December 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 6

Full text available:  pdf(383.26 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Ubiquitous computing environments stretch the requirements of traditional infrastructures used to facilitate the development of applications. Activities are often supported by collections of applications, some of which are automatically launched with little or no human intervention. This task-driven environment challenges existing application construction and data management techniques. In this paper, we describe a file system that organises application data based on contextual information, impo ...

**Keywords:** Context, Data management, File systems, Operating systems, Ubiquitous

computing spaces

8 Automatic metadata creation: Automated semantic annotation and retrieval based on sharable ontology and case-based learning techniques

Von-Wun Soo, Chen-Yu Lee, Chung-Cheng Li, Shu Lei Chen, Ching-chih Chen

May 2003 **Proceedings of the third ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  pdf(910.69 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Effective information retrieval (IR) using domain knowledge and semantics is one of the major challenges in IR. In this paper we propose a framework that can facilitate image retrieval based on a sharable domain ontology and thesaurus. In particular, case-based learning (CBL) using a natural language phrase parser is proposed to convert a natural language query into resource description framework (RDF) format, a semantic-web standard of metadata description that supports machine readable semanti ...

9 Best Paper: Early experiences with a 3D model search engine

Patrick Min, John A. Halderman, Michael Kazhdan, Thomas A. Funkhouser

March 2003 **Proceeding of the eighth international conference on 3D Web technology**

Full text available:  pdf(1.92 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New acquisition and modeling tools make it easier to create 3D models, and affordable and powerful graphics hardware makes it easier to use them. As a result, the number of 3D models available on the web is increasing rapidly. However, it is still not as easy to find 3D models as it is to find, for example, text documents and images. What is needed is a "3D model search engine," a specialized search engine that targets 3D models. We created a prototype 3D model search engine to investigate the d ...

**Keywords:** 3D model database, shape matching, shape query interfaces, specialized search engine

10 Spoken dialogue technology: enabling the conversational user interface

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Full text available:  pdf(987.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

**Keywords:** Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

11 Actual conversion experiences

James H. Burrows

July 1981 , Volume 12 , 12,13 Issue 2 , 4,1

Full text available:  pdf(1.55 MB)


Additional Information: [full citation](#)



12 Video retrieval: Context-based video retrieval system for the life-log applications

Tetsuro Hori, Kiyoharu Aizawa

November 2003 **Proceedings of the 5th ACM SIGMM international workshop on Multimedia information retrieval**

Full text available:  pdf (1.88 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Recently, we have often heard the terms "Wearable computing" and "Ubiquitous computing". Our expectation for the future of such new computing environments is growing. One of the characteristics of these computing environments is that they embed computers in our lives. In such environments, digitization of personal experiences will be made possible by continuous recordings using a wearable video camera[6, 7]. This could lead to the "automatic life-log application". However, it is evident that the ...

**Keywords:** video indexing, video retrieval, wearable computing

13 A conversational extensible system for the animation of shaded images

Ronald M. Baecker

July 1976 **ACM SIGGRAPH Computer Graphics , Proceedings of the 3rd annual conference on Computer graphics and interactive techniques**, Volume 10 Issue 2


Full text available:  pdf (99.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The terms "conversational" and "extensible" are defined and shown to be useful properties of computer animation systems. A conversational extensible system for the animation of shaded images is then described. With this system, implemented on a minicomputer, the animator can sketch images and movements freehand, or can define them algorithmically via the Smalltalk language. The system is itself implemented in Smalltalk, and hence can be easily extended or modified to suit the animator's personal ...

14 The Quadtree and Related Hierarchical Data Structures

Hanan Samet


June 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 2

Full text available:  pdf (4.87 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1997 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available:  pdf (7.24 MB) Additional Information: [full citation](#), [citations](#)

16 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available:  pdf (7.38 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)


**Keywords:** Computer graphics, medical imaging, surface rendering, three-dimensional

imaging, volume rendering

17 [Experiments in social data mining: The TopicShop system](#)

Brian Amento, Loren Terveen, Will Hill, Deborah Hix, Robert Schulman

March 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 1

Full text available:  [pdf\(377.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


*Social data mining systems* enable people to share opinions and benefit from each other's experience. They do this by mining and redistributing information from computational records of social activity such as Usenet messages, system usage history, citations, or hyperlinks. Some general questions for evaluating such systems are: (1) is the extracted information valuable? and (2) do interfaces based on the information improve user task performance? We report here on *TopicShop*, a syst ...

**Keywords:** Cocitation analysis, collaborative filtering, computer-supported cooperative work, information visualization, social filtering, social network analysis

18 [Efficient and flexible Web access to art-historical image collections](#)

Matthias Wagner, Stefan Holland, Werner Kießling

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing**

Full text available:  [pdf\(646.03 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** Web access, applications in the arts and humanities, format optimization, image databases, multimedia delivery

19 [Shape retrieval and watermarking: 3D zernike descriptors for content based shape retrieval](#)

Marcin Novotni, Reinhard Klein

June 2003 **Proceedings of the eighth ACM symposium on Solid modeling and applications**

Full text available:  [pdf\(1.23 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Content based 3D shape retrieval for broad domains like the World Wide Web has recently gained considerable attention in Computer Graphics community. One of the main challenges in this context is the mapping of 3D objects into compact canonical representations referred to as descriptors, which serve as search keys during the retrieval process. The descriptors should have certain desirable properties like invariance under scaling, rotation and translation. Very importantly, they should possess de ...

**Keywords:** 3D Zernike moments, invariants, shape descriptor, shape retrieval

20 [Graphical tools for interactive image interpretation](#)

David M. McKeown, Jerry L. Denlinger

July 1982 **ACM SIGGRAPH Computer Graphics , Proceedings of the 9th annual conference on Computer graphics and interactive techniques**, Volume 16 Issue 3

Full text available:  [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes BROWSE, an interactive raster image display facility which is a major component of a larger integrated Map Assisted Photo-interpretation System (MAPS), being

developed as a prototype interactive aid for photo-interpretation. Application areas for this research include image cartography, land use studies and reconnaissance, as well as image database organization, storage, and retrieval. BROWSE is a window-oriented display manager which supports raster image di ...


**Keywords:** Cartography, Image database, Map representations

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11	BRS 7	010840.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 10:30		0	
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15	BRS 28877	((feature) with (convert\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 11:27		0	
16	BRS 16867	image near\$3 retriev\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 11:28		0	
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21	BRS 896	colo\$1r adj1 feature	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:11		0	
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34 BRS	4	281783.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 15:49		0	
35 BRS	8877	(inverse DCT) and @pd<=19991201>=19990101	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:38		0	
36 BRS	1	((inverse DCT) and @pd<=19991201>=19990101) and (colo\$1r adj1 feature)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:40		0	
37 BRS	0	((inverse adj1 DCT) IDCT) same (colo\$1r adj1 feature)) and @ad<=20001211	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:39		0	
38 BRS	3577	((inverse adj1 DCT) IDCT) and @ad<=20001211	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:42		0	
39 BRS	896	(colo\$1r adj1 feature)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:40		0	

Type	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
40	BRS 0	((((inverse adj1 DCT) IDCT) and @ad<=20001211) and ( (colo\$1r adj1 feature))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:41		0	
41	BRS 19809	(extract\$3 near3 feature)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:40		0	
42	BRS 60	((((inverse adj1 DCT) IDCT) and @ad<=20001211) and ( (extract\$3 near3 feature))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:42		0	
43	BRS 1	((((inverse adj1 DCT) IDCT) same (extract\$3 near3 feature)) and @ad<=20001211	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 16:42		0	
44	BRS 5	colo\$1r with JPEG with IDCT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 10:46		0	
45	BRS 56	(colo\$1r with JPEG) same (IDCT (inverse adj1 DCT))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 10:47		0	
46	BRS 37	((colo\$1r with JPEG) same (IDCT (inverse adj1 DCT))) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:27		0	
47	BRS 0	((((colo\$1r with JPEG) same (IDCT (inverse adj1 DCT))) and @ad<20001212) and (feature near3 extract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 10:50		0	
48	BRS 901	(represent\$5 near3 colo\$1r) with (mean averag\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 15:28		0	
49	BRS 80	((represent\$5 near3 colo\$1r) with (mean averag\$3)) with block	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 07:58		0	
50	BRS 55	((((represent\$5 near3 colo\$1r) with (mean averag\$3)) with block) same image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:27		0	
51	BRS 35	((((represent\$5 near3 colo\$1r) with (mean averag\$3)) with block) with image	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:27		0	
52	BRS 19	((((represent\$5 near3 colo\$1r) with (mean averag\$3)) with block) with image) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 12:27		0	

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53	BRS 82	((parallel multiple) near3 (PEs Plus CPUs processors)) same (feature near3 extract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 15:33		0	
54	BRS 50	((parallel multiple) near3 (PEs Plus CPUs processors)) same (feature near3 extract\$3) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:41		0	
55	BRS 325	(down\$1samp\$3 ((lower reduc\$4) near3 resolution)) with (DCT (frequency adj1 transform\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:40		0	
56	BRS 0	((down\$1samp\$3 ((lower reduc\$4) near3 resolution)) with (DCT (frequency adj1 transform\$5))) same (feature near3 extract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:40		0	
57	BRS 152	(down\$1samp\$3) with (DCT (frequency adj1 transform\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:56		0	
58	BRS 16	((down\$1samp\$3) with (DCT (frequency adj1 transform\$5))) and (feature near3 extract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:48		0	
59	BRS 7	((down\$1samp\$3) with (DCT (frequency adj1 transform\$5))) and (feature near3 extract\$3) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:48		0	
60	BRS 22	((down\$1samp\$3 ((lower reduc\$4) near3 resolution)) with (DCT (frequency adj1 transform\$5))) and (feature near3 extract\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:48		0	
61	BRS 9	((down\$1samp\$3 ((lower reduc\$4) near3 resolution)) with (DCT (frequency adj1 transform\$5))) and (feature near3 extract\$3) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:56		0	
62	BRS 150	(down\$1samp\$3) with (DCT)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:56		0	
63	BRS 63	(down\$1samp\$3) adj6 (DCT)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:56		0	
64	BRS 44	((down\$1samp\$3) adj6 (DCT)) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:56		0	
65	BRS 1872	((represent\$5 near3 colo\$1) with (reconstruct\$3 render\$3 generat\$3 ref\$1generat\$3) with image)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:20		0	



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66	BRS 25	((represent\$5 adj1 colo\$1r) with (reconstruct\$3) with image)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:51		0	
67	BRS 16	((((represent\$5 adj1 colo\$1r) with (reconstruct\$3) with image)) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:49		0	
68	BRS 5	((representative adj1 colo\$1r) near3 block) with ((reconstruct\$3 generat\$3 re\$1generat\$3) near3 image)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:48		0	
69	BRS 24	shiyama-h.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:39		0	
70	BRS 14	shiyama-h.in. and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:39		0	
71	BRS 7	(shiyama-h.in. and @ad<20001212) and block	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:40		0	
72	BRS 14	((representative adj1 colo\$1r) near3 block) same ((reconstruct\$3 generat\$3 re\$1generat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:48		0	
73	BRS 5	((((representative adj1 colo\$1r) near3 block) same ((reconstruct\$3 generat\$3 re\$1generat\$3))) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:51		0	
74	BRS 32	((representative adj1 colo\$1r) same (reconstruct\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:54		0	
75	BRS 24	((((representative adj1 colo\$1r) same (reconstruct\$3))) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:56		0	
76	BRS 38	((representative adj1 colo\$1r) same (expand\$3 up\$1samp\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 13:24		0	
77	BRS 19	((((representative adj1 colo\$1r) same (expand\$3 up\$1samp\$3))) and @ad<20001212	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 08:56		0	
78	BRS 2822	382/165,166,191,250,299,305.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 13:24		0	

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79	BRS	9076	375/240.18,240.19,240.2,240.21,240.24;707/3,104.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/26 13:25			0